

# WEB SECURITY

# **30 HOURS**



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## **MODULE-1 INTRODUCTION**

Induction

How to get into Cybersecurity?

Career paths in Cybersecurity

What are the skills needed?

How to prepare for a job?

# **MODULE-2 AWARENESS TRAINING**

Why Awareness Training?

**CIA Triad** 

**AAA of Security** 

Threats, Attacks, and Vulnerabilities

Malware

**Mitigating Threats** 

**Physical Security** 

## **MODULE-3 HACKING LAB**

Introduction to Virtualization
Virtual Environment Installation
Hacking OS Installation
Hacking Tools Installation



## **MODULE-4 BASICS**

What is HTTP?

What is DNS?

What is the Web (Pages, Browsers, Servers)?

What is URI URN URL?

What is a Subdomain?

What is a Penetration Testing?

What is Web Application Penetration Testing?

#### **MODULE-5 LINUX BASICS**

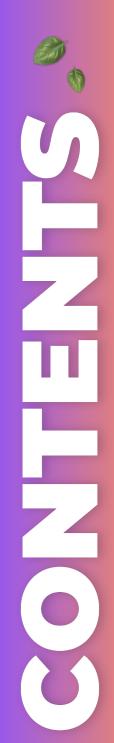
What is Linux?

**Basic Linux Commands** 

An Overview of Terminal

**Linux File Operations** 

**Permissions and Ownership** 





### **MODULE-6 OWASP**

**OWASP** 

Injection

**Broken Authentication** 

Sensitive Data Exposure

XML External Entities (XXE)

**Broken Access Control** 

**Security Misconfiguration** 

**Cross-Site Scripting (XSS)** 

**Insecure Deserialization** 

**Using Components with Known Vulnerabilities** 

**Insufficient Logging and Monitoring** 

# **MODULE-7 RECON**

**Subdomain Enumeration** 

**Port Scanning** 

Screenshots

**Fuzzing** 

**Technology Analysis** 

#### **MODULE-8 TESTING CMS**

**Testing WordPress Applications** 

**Testing Joomla Applications** 

**Testing Drupal Applications** 

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#### **MODULE-9 PENTESTING**

**Live Pentest on Injection** 

Live Pentest on Broken Authentication

Live Pentest on Sensitive Data Exposure

Live Pentest on XML External Entities (XXE)

**Live Pentest on Broken Access Control** 

Live Pentest on Security Misconfiguratgaion

Live Pentest on Cross-Site Scripting (XSS)

Live Pentest on Insecure Deserialization

Live Pentest on Known Vulnerabilities

Live Pentest on Insufficient Logging & Monitoring

# **MODULE-10 REPORTING**

What are Pentest Reports?

**How to write Efficient Reports?** 

How to submit Reports?

